



COMMONWEALTH of VIRGINIA  
DEPARTMENT OF FORENSIC SCIENCE

CENTRAL LABORATORY  
A Nationally Accredited Laboratory

700 NORTH 5TH STREET  
RICHMOND, VIRGINIA 23219  
(804) 786-6971

CERTIFICATE OF INSTRUMENT ACCURACY

INSTRUMENT: Intox EC/IR II  
SERIAL NUMBER: 012220  
CERTIFICATION DATE: December 17, 2013  
DATE RECERTIFICATION DUE: June 15, 2014

The above listed instrument was found to meet all requirements for accuracy and performance established by the Department of Forensic Science. This certification is valid from the above listed certification date until the above listed date for recertification.

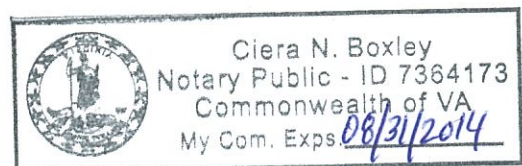
Timmy L. Neece, Jr.  
Forensic Scientist

CITY OF RICHMOND  
COMMONWEALTH OF VIRGINIA

The foregoing was acknowledged before me this 30th day of December, 2013 by Timmy L. Neece, Jr.

Ciera N. Boxley, Notary Public

My commission expires: August 31, 2014



**Department of Forensic Science  
Breath Alcohol Section  
Instrument Maintenance History  
1/1/1990 To 12/19/2013**

HMS  
TLN

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**Instrument Serial Number:** 012220 **As of 19-Dec-13**

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Maintenance Date	Certification Date	Technician Initials	Remarks
17-Dec-13	17-Dec-13	HMS (18910)	FIRMWARE/SOFTWARE UPGRADE, CALIBRATED AND CERTIFIED, REPLACED DRY GAS STANDARD.
02-Jul-13	02-Jul-13	HMS (18910)	CERTIFIED, REPLACED DRY GAS STANDARD, REPLACED PRINTER RIBBON.
15-Jan-13	15-Jan-13	SED (24178)	CERTIFIED. REPLACED DRY GAS STANDARD.
25-Jul-12	25-Jul-12	HMS (18910)	CERTIFIED
24-May-12	24-May-12	TLN (25387)	CALIBRATED, CERTIFIED AND ACCEPTED.

Handwritten initials: HMB, TKN

# INTOX EC/IR II Quality Assurance Worksheet

Instrument Serial Number 012220 Worksheet Start Date 12/17/2013  
Location Roanoke County  
Address 401 E. Main St., Salem, VA 24153  
DFS Technician Heather Stanton License No. 18910  
☐ Laboratory ☒ On-Site

Site Specification: No detrimental environmental conditions exist. ☒

Instrument Barometer (mm HG) 726 Reference Barometer (mm HG) 730  
Reference Barometer(RB)Serial # 009113 RB Calibration Due 5/8/2014

## Measurement Assurance Check

Standard (sea level)	PA Target	minimum	maximum	Sample 1	0.289
0.300	0.286	0.277	0.294	Sample 2	0.290
Precision		sample min	sample max	Sample 3	0.290
0.001		0.289	0.290		

Standard (sea level)	PA Target	minimum	maximum	Sample 1	0.096
0.100	0.095	0.092	0.098	Sample 2	0.096
Precision		sample min	sample max	Sample 3	0.096
0		0.096	0.096		

Dry gas standard Lot No. (with tank no.) AG227501-10

☒ Replaced dry gas standard (+O-ring)

☐ Installed at Location

☐ Removed to DFS-Central

Supplies  
Mouthpieces  
Certificates of Analysis  
Operator Worksheet  
Other:

200  
4 pads

## Notes:

Firmware/software upgrade.

Instrument Serial Number

012220

Certification Date

12/17/2013

☒ Calibrated☒ Certified☒ Measurement Assurance Check☒ Instrument Test☐ Troubleshooting/Maintenance Worksheet Completed

(Successful completion denotes satisfactory condition of the item.)

<b>Standard (sea level)</b>	<b>PA Target</b>	<b>minimum</b>	<b>maximum</b>	<b>Sample 1</b>	0.236
0.250	0.239	0.231	0.246	<b>Sample 2</b>	0.237
<b>Precision</b>		<b>sample min</b>	<b>sample max</b>	<b>Sample 3</b>	0.237
0.001		0.236	0.237		

<b>Standard (sea level)</b>	<b>PA Target</b>	<b>minimum</b>	<b>maximum</b>	<b>Sample 1</b>	0.143
0.150	0.143	0.138	0.147	<b>Sample 2</b>	0.143
<b>Precision</b>		<b>sample min</b>	<b>sample max</b>	<b>Sample 3</b>	0.143
0		0.143	0.143		

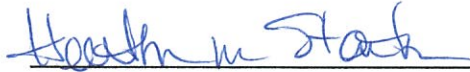
<b>Standard (sea level)</b>	<b>PA Target</b>	<b>minimum</b>	<b>maximum</b>	<b>Sample 1</b>	0.076
0.080	0.076	0.073	0.079	<b>Sample 2</b>	0.076
<b>Precision</b>		<b>sample min</b>	<b>sample max</b>	<b>Sample 3</b>	0.076
0		0.076	0.076		

<b>Standard (sea level)</b>	<b>PA Target</b>	<b>minimum</b>	<b>maximum</b>	<b>Sample 1</b>	0.018
0.020	0.019	0.016	0.022	<b>Sample 2</b>	0.018
<b>Precision</b>		<b>sample min</b>	<b>sample max</b>	<b>Sample 3</b>	0.018
0		0.018	0.018		

All measurements are in g/210L

Estimation of Uncertainty of Measurement and traceability records are located within the Breath Alcohol Section

DFS Technician



Date

12/19/13

Issuing Analyst

  
pdx

Date

12/20/13

THO  
TLW

**Intox EC/IR-II: Accuracy Check**

*Department of Forensic Science*

Serial Number: 012220      Test Number: 683

Test Date: 12/17/2013      Test Time: 15:04 EST

Dry Gas Target: 0.287

Lot Number: AG322702-08      Exp Date: 08/15/2015

Tank Pressure: 379 psi      Barometric Pressure: 726 mmHg

System Check: *Passed*

Test	g/210L	Time
BLK	0.000	15:05
CHK	0.288	15:06
BLK	0.000	15:08
CHK	0.288	15:08
BLK	0.000	15:10
CHK	0.288	15:10

Test Status: *Success*

Calibration CRC: B12C45D1

HNS  
Tin

**Intox EC/IR-II: Accuracy Check**

*Department of Forensic Science*

Serial Number: 012220      Test Number: 684

Test Date: 12/17/2013      Test Time: 15:13 EST

Dry Gas Target: 0.096

Lot Number: AG230501-44      Exp Date: 10/31/2014

Tank Pressure: 585 psi      Barometric Pressure: 726 mmHg

System Check: *Passed*

Test	g/210L	Time
BLK	0.000	15:13
CHK	0.096	15:14
BLK	0.000	15:16
CHK	0.096	15:16
BLK	0.000	15:18
CHK	0.096	15:18

Test Status: *Success*

Calibration CRC: B12C45D1

hms  
TLW



COMMONWEALTH OF VIRGINIA  
DEPARTMENT OF FORENSIC SCIENCE

CERTIFICATE OF BLOOD ALCOHOL ANALYSIS  
AS DETERMINED BY A CHEMICAL TEST OF THE ACCUSED'S BREATH

NAME OF ACCUSED <b>INSTRUMENT, TEST,</b>	NAME OF COURT <b>DFS</b>
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BREATH ANALYSIS

SAMPLE EXAMINED AND TEST CONDUCTED BY <b>STANTON, HEATHER, M</b>		AGENCY <b>DFS Central Lab</b>
DFS LICENSE NUMBER <b>18910</b>	LICENSE EXPIRES <b>10/01/2014</b>	DATE TEST CONDUCTED <b>12/17/2013</b>
TEST EQUIPMENT NUMBER <b>012220</b>		

RESULTS: TIME SAMPLE TAKEN 15:26 EST

SAMPLE'S ALCOHOL CONTENT 0.00 GRAMS PER 210 LITERS OF BREATH

ATTEST:

I CERTIFY THAT THE ABOVE IS AN ACCURATE RECORD OF THE TEST CONDUCTED; THAT THE TEST WAS CONDUCTED WITH THE TYPE OF EQUIPMENT AND IN ACCORDANCE WITH THE METHODS APPROVED BY THE DEPARTMENT OF FORENSIC SCIENCE; THAT THE TEST WAS CONDUCTED IN ACCORDANCE WITH THE DEPARTMENT'S SPECIFICATIONS; THAT PRIOR TO ADMINISTRATION OF THE TEST THE ACCUSED WAS ADVISED OF HIS RIGHT TO OBSERVE THE PROCESS AND SEE THE BLOOD ALCOHOL READING ON THE EQUIPMENT USED TO PERFORM THE BREATH TEST, AND THAT I POSSESS A VALID LICENSE TO CONDUCT SUCH TEST, GIVEN UNDER MY HAND THIS \_\_\_\_\_ DAY OF \_\_\_\_\_, 20 \_\_\_\_\_.

BREATH TEST OPERATOR
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☐ I HAVE RECEIVED A COPY OF THIS CERTIFICATE OF ANALYSIS \_\_\_\_\_  
SUBJECT'S SIGNATURE

☐ SUBJECT REFUSED TO SIGN FOR COPY OF CERTIFICATE OF ANALYSIS \_\_\_\_\_  
OPERATOR'S SIGNATURE



# IntoxNet MIS Report

Report Generated 19 Dec 2013 at 08:16

*Handwritten signature/initials*

## Test Results

**Instrument Serial Number 012220**

**Test # 000685**      **Subject Test**

**Test Location 1** Department of  
**Test Date** 17 Dec 2013

**Test Location 2** Forensic Science  
**Test Time** 15:20  
**Remote/Local** Local

**Test Location 3**  
**System Check** Passed

**Operator's Last Name** STANTON  
**Agency** DFS Central Lab

**Operator's First Name** HEATHER

**Operator's Middle Initial** N

**Card Serial Number** 118910

**License Number** 18910

**Effective Date** 10/01/2012

**Expiration Date** 10/01/2014

**Subject's Last Name** INSTRUMENT

**Subject's First Name** TEST

**Subject's Middle Initial**

**Subject's Date of Birth** 00/00/0000

**Subject's Sex** Male

**Driver's License Number**

**Driver's License Expiration** 00/00/0000

**Driver's License State**

**Court Name** DFS

**End Date** 17 Dec 2013      **End Time** 15:27

**Result Time** 15:26

**Result Date** 17 Dec 2013      **Result** 0.00

**Data Type** DIAG

**Sample Value** Pass

**Sample Time** 15:21

**Data Type** BLK

**Sample Value** 0.000

**Sample Time** 15:21

**Data Type** CHK

**Sample Value** 0.096

**Sample Time** 15:22

**Data Type** BLK

**Sample Value** 0.000

**Sample Time** 15:23

**Data Type** SUBJ

**Sample Value** 0.000

**Sample Time** 15:24

**Data Type** BLK

**Sample Value** 0.000

**Sample Time** 15:25

**Data Type** SUBJ

**Sample Value** 0.000

**Sample Time** 15:26

**Data Type** BLK

**Sample Value** 0.000

**Sample Time** 15:27

**Standard Type** Dry Gas Std

**Standard Value** 0.096

**Standard Lot Number** AG230501-44

**Standard Expiration Date** 10/31/2014

**Tank Pressure** 575

**Barometric Pressure** 726 mmHg

**Blow Sample Number** 1      **Blow Duration** 3.48 sec

**Blow Volume** 1722 cc      **End-of-Blow Time** 15:24

**Blow Sample Number** 2      **Blow Duration** 3.63 sec

**Blow Volume** 1741 cc      **End-of-Blow Time** 15:26

**Tamper Evident Stamp** 22c6406a

**Test Status Code** 0

**Test Status** Success



ANS  
TEN

**Intox EC/IR-II: Software Version**

*Department of Forensic Science*

Serial Number: 012220

System Date: 12/17/2013

System Time: 15:52 EST

Software Version: VS00333-K

Software CRC: 56745BCA

Firmware Version: VS00171-CL

Firmware CRC: 7107756B

*Handwritten signature*  
*TLN*

**Intox EC/IR-II: Calibration**

*Department of Forensic Science*

Serial Number: 012220      Test Number: 686

Test Date: 12/17/2013      Test Time: 15:54 EST

Dry Gas Target: 0.095

Lot Number: 0651210013-06      Exp Date: 04/01/2014

Tank Pressure: 536 psi      Barometric Pressure: 725 mmHg

System Check: *Passed*

Test	g/210L	Time
BLK	0.000	15:55
CAL	0.095	15:56

Test Status: *Success*

Calibration CRC: 5765747E

HMS  
TVW

# **Intox EC/IR-II: Certification**

*Department of Forensic Science*

Serial Number: 012220      Test Number: 687  
Test Date: 12/17/2013      Test Time: 15:58 EST

Technician Initials: HMS

Dry Gas Target: 0.239

Lot Number: 29612250I2-08      Exp Date: 11/01/2014

Tank Pressure: 139 psi      Barometric Pressure: 726 mmHg  
System Check: Passed

Test	g/210L	Time
DIAG	Pass	15:59
BLK	0.000	16:00
CHK	0.236	16:00
BLK	0.000	16:02
CHK	0.237	16:03
BLK	0.000	16:05
CHK	0.237	16:05
BLK	0.000	16:07

## **Success**

Standard Value (at sea level): 0.250 g/210L

Certification Status: Continued

HMS  
TIN

**Intox EC/IR-II: Certification**

*Department of Forensic Science*

Serial Number: 012220      Test Number: 688

Test Date: 12/17/2013      Test Time: 16:09 EST

Technician Initials: HMS

Dry Gas Target: 0.143

Lot Number: 29512150I2-02      Exp Date: 11/01/2014

Tank Pressure: 448 psi      Barometric Pressure: 725 mmHg

System Check: Passed

Test	g/210L	Time
DIAG	Pass	16:09
BLK	0.000	16:10
CHK	0.143	16:11
BLK	0.000	16:12
CHK	0.143	16:13
BLK	0.000	16:15
CHK	0.143	16:16
BLK	0.000	16:17

**Success**

Standard Value (at sea level): 0.150 g/210L

Certification Status: Continued

*HMS*  
*TLW*

**Intox EC/IR-II: Certification**

*Department of Forensic Science*

Serial Number: 012220      Test Number: 689

Test Date: 12/17/2013      Test Time: 16:18 EST

Technician Initials: *HMS*

Dry Gas Target: 0.076

Lot Number: 0771308012-04      Exp Date: 05/01/2015

Tank Pressure: 590 psi      Barometric Pressure: 725 mmHg

System Check: *Passed*

Test	g/210L	Time
DIAG	Pass	16:19
BLK	0.000	16:20
CHK	0.076	16:20
BLK	0.000	16:22
CHK	0.076	16:22
BLK	0.000	16:24
CHK	0.076	16:24
BLK	0.000	16:26

**Success**

Standard Value (at sea level): 0.080 g/210L

Certification Status: Continued

HMS  
Tvw

**Intox EC/IR-II: Certification**

*Department of Forensic Science*

Serial Number: 012220      Test Number: 690

Test Date: 12/17/2013      Test Time: 16:27 EST

Technician Initials: HMS

Dry Gas Target: 0.019

Lot Number: 0771302011-04      Exp Date: 05/01/2015

Tank Pressure: 698 psi      Barometric Pressure: 725 mmHg

System Check: Passed

Test	g/210L	Time
DIAG	Pass	16:27
BLK	0.000	16:28
CHK	0.018	16:29
BLK	0.000	16:30
CHK	0.018	16:31
BLK	0.000	16:32
CHK	0.018	16:33
BLK	0.000	16:34

**Success**

Standard Value (at sea level): 0.020 g/210L

Certification Status: Success

AKS  
TLN

**Intox EC/IR-II: Accuracy Check**

*Department of Forensic Science*

Serial Number: 012220      Test Number: 691

Test Date: 12/17/2013      Test Time: 16:36 EST

Dry Gas Target: 0.286

Lot Number: AG322702-08      Exp Date: 08/15/2015

Tank Pressure: 370 psi      Barometric Pressure: 725 mmHg

System Check: *Passed*

Test	g/210L	Time
BLK	0.000	16:37
CHK	0.289	16:38
BLK	0.000	16:40
CHK	0.290	16:40
BLK	0.000	16:42
CHK	0.290	16:43

Test Status: *Success*

Calibration CRC: 5765747E

*Handwritten initials/signature*  
TLN

**Intox EC/IR-II: Accuracy Check**

*Department of Forensic Science*

Serial Number: 012220      Test Number: 692

Test Date: 12/17/2013      Test Time: 16:46 EST

Dry Gas Target: 0.095

Lot Number: AG227501-10      Exp Date: 10/01/2014

Tank Pressure: 938 psi      Barometric Pressure: 725 mmHg

System Check: *Passed*

Test	g/210L	Time
BLK	0.000	16:46
CHK	0.096	16:47
BLK	0.000	16:49
CHK	0.096	16:50
BLK	0.000	16:51
CHK	0.096	16:52

Test Status: *Success*

Calibration CRC: 5765747E



THS  
TKW



COMMONWEALTH OF VIRGINIA  
DEPARTMENT OF FORENSIC SCIENCE

CERTIFICATE OF BLOOD ALCOHOL ANALYSIS  
AS DETERMINED BY A CHEMICAL TEST OF THE ACCUSED'S BREATH

NAME OF ACCUSED <b>INSTRUMENT, TEST,</b>	NAME OF COURT <b>DFS</b>
---	-----------------------------

BREATH ANALYSIS

SAMPLE EXAMINED AND TEST CONDUCTED BY <b>STANTON, HEATHER, M</b>		AGENCY <b>DFS Central Lab</b>
DFS LICENSE NUMBER <b>18910</b>	LICENSE EXPIRES <b>10/01/2014</b>	DATE TEST CONDUCTED <b>12/17/2013</b>
TEST EQUIPMENT NUMBER <b>012220</b>		

RESULTS: TIME SAMPLE TAKEN 16:59 EST

SAMPLE'S ALCOHOL CONTENT 0.00 GRAMS PER 210 LITERS OF BREATH

ATTEST:

I CERTIFY THAT THE ABOVE IS AN ACCURATE RECORD OF THE TEST CONDUCTED; THAT THE TEST WAS CONDUCTED WITH THE TYPE OF EQUIPMENT AND IN ACCORDANCE WITH THE METHODS APPROVED BY THE DEPARTMENT OF FORENSIC SCIENCE; THAT THE TEST WAS CONDUCTED IN ACCORDANCE WITH THE DEPARTMENT'S SPECIFICATIONS; THAT PRIOR TO ADMINISTRATION OF THE TEST THE ACCUSED WAS ADVISED OF HIS RIGHT TO OBSERVE THE PROCESS AND SEE THE BLOOD ALCOHOL READING ON THE EQUIPMENT USED TO PERFORM THE BREATH TEST, AND THAT I POSSESS A VALID LICENSE TO CONDUCT SUCH TEST, GIVEN UNDER MY HAND THIS \_\_\_\_\_ DAY OF \_\_\_\_\_, 20\_\_\_\_.

BREATH TEST OPERATOR
----------------------

☐ I HAVE RECEIVED A COPY OF THIS CERTIFICATE OF ANALYSIS \_\_\_\_\_ SUBJECT'S SIGNATURE

☐ SUBJECT REFUSED TO SIGN FOR COPY OF CERTIFICATE OF ANALYSIS \_\_\_\_\_ OPERATOR'S SIGNATURE



# IntoxNet MIS Report

Report Generated 19 Dec 2013 at 08:16

*Handwritten signature/initials*

## Test Results

**Instrument Serial Number 012220**

**Test # 000693**      **Subject Test**

**Test Location 1** Department of  
**Test Date** 17 Dec 2013

**Test Location 2** Forensic Science  
**Test Time** 16:53  
**Remote/Local** Local

**Test Location 3**  
**System Check** Passed

**Operator's Last Name** STANTON  
**Agency** DFS Central Lab

**Operator's First Name** HEATHER

**Operator's Middle Initial** IV  
**License Number** 18910

**Card Serial Number** 118910

**Effective Date** 10/01/2012

**Expiration Date** 10/01/2014

**Subject's Last Name** INSTRUMENT

**Subject's First Name** TEST

**Subject's Middle Initial**

**Subject's Date of Birth** 00/00/0000

**Subject's Sex** Male

**Driver's License Number**

**Driver's License Expiration** 00/00/0000

**Driver's License State**

**Court Name** DFS

**End Date** 17 Dec 2013      **End Time** 17:00

**Result Time** 16:59

**Result Date** 17 Dec 2013

**Result** 0.00

**Data Type** DIAG

**Sample Value** Pass

**Sample Time** 16:53

**Data Type** BLK

**Sample Value** 0.000

**Sample Time** 16:54

**Data Type** CHK

**Sample Value** 0.096

**Sample Time** 16:55

**Data Type** BLK

**Sample Value** 0.000

**Sample Time** 16:56

**Data Type** SUBJ

**Sample Value** 0.000

**Sample Time** 16:57

**Data Type** BLK

**Sample Value** 0.000

**Sample Time** 16:58

**Data Type** SUBJ

**Sample Value** 0.000

**Sample Time** 16:59

**Data Type** BLK

**Sample Value** 0.000

**Sample Time** 17:00

**Standard Type** Dry Gas Std

**Standard Value** 0.095

**Standard Lot Number** AG227501-10

**Standard Expiration Date** 10/01/2014

**Tank Pressure** 928

**Barometric Pressure** 725 mmHg

**Blow Sample Number** 1      **Blow Duration** 3.50 sec

**Blow Volume** 1766 cc      **End-of-Blow Time** 16:57

**Blow Sample Number** 2      **Blow Duration** 3.66 sec

**Blow Volume** 1713 cc      **End-of-Blow Time** 16:59

**Tamper Evident Stamp** 36a620ee

**Test Status Code** 0

**Test Status** Success